

ABSTRACT

The current invention provides an inexpensive variable valve mechanism that includes a first intervening member which rotates a small angle rotation about an axis of a support shaft by being pressed by a rotating cam and a second intervening member which lifts a valve by making a small angle rotation about an axis of the support shaft together with the first intervening member thus pressing a cam corresponding part of a rocker arm. The variable valve mechanism further includes a control shaft which is provided concentrically with the support shaft, a slider which moves with the control shaft, a slanted part which is formed diagonally relative to the slider's movement direction and is in contact with the slider, and a relative rotation angle control device which varies the relative rotation angle of the first intervening member and the second intervening member by pressing the slanted part in a direction substantially perpendicular to the slider's movement direction by moving the slider together with the control shaft, thus varying the valve's lift and operating angle continuously.